PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D	20	MAR	2006
WIPO			PC

Applicant's or agent's file reference B03/0652PC/jw	FOR FURTHER ACT	TION S	See Form PCT/IPEA/416
International application No. PCT/EP2004/014536	International filing date (da 21.12.2004	ay/month/year)	Priority date (day/month/year) 22.12.2003
International Patent Classification (IPC) or na	ational classification and IPC		
D06M15/263, D06M15/29, D06M15/	273, D06M15/564, D06	SM15/568, D06M15/1	9, A01N25/10
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Applicant			
BASF AKTIENGESELLSCHAFT et	al.		
This report is the international pre	liminary examination rep	ort, established by this	International Preliminary Examining
Authority under Article 35 and tran			•
2. This REPORT consists of a total of			
3. This report is also accompanied b	y ANNEXES, comprising); 	as fallows
a. 🛭 sent to the applicant and to	o the International Burea	u) a total of 16 sneets	, as follows.
sheets of the descripti and/or sheets containi Administrative Instruct	ng rectifications authorize	gs which have been an ed by this Authority (se	nended and are the basis of this report e Rule 70.16 and Section 607 of the
57 sheets which superson	de carlier chaate, but whi	ich this Authority consi	ders contain an amendment that goes
beyond the disclosure Supplemental Box.	in the international appli	cation as filed, as indic	ated in item 4 or box No. 1 and the
b. (sent to the International E	Bureau only) a total of (inc	dicate type and numbe	r of electronic carrier(s)) , containing a only, as indicated in the Supplemental
sequence listing and/or tat Box Relating to Sequence	Listing (see Section 802	of the Administrative	nstructions).
	•		
4. This report contains indications re	elating to the following ite	ems:	
☐ Box No. I Basis of the op	inion		
☐ Box No. II Priority			
⊠ Box No. III Non-establishn	nent of opinion with regar	d to novelty, inventive	step and industrial applicability .
⊠ Box No. IV Lack of unity of □ □	finvention		
☐ Box No. V Reasoned state applicability; cit	ement under Article 35(2) tations and explanations) with regard to novelty supporting such stater	r, inventive step or industrial nent
☐ Box No. VI Certain docum	ents cited		
☑ Box No. VII Certain defects	s in the international appli	cation	
☐ Box No. VIII Certain observ	ations on the internationa	al application	•
		Date of completion of th	is report
Date of submission of the demand		Date of completion of the	із тероп
04.11.2005		17.03.2006	
Name and mailing address of the internation	onal	Authorized Officer	Statute Patentiany
preliminary examining authority: ———— European Patent Office			· M 1
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/014536

_	Box	No. I Basis of the report
1.	filed,	regard to the language , this report is based on the international application in the language in which it was unless otherwise indicated under this item.
		This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of: ☐ international search (under Rules 12.3 and 23.1(b)) ☐ publication of the international application (under Rule 12.4) ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2.	have	regard to the elements* of the international application, this report is based on (replacement sheets which to been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this not as "originally filed" and are not annexed to this report):
	Des	cription, Pages
	1-51	as originally filed
	Clai	ms, Numbers
	1-33	received on 08.11.2004 with letter of 04.11.2004
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3.		The amendments have resulted in the cancellation of:
		☐ the description, pages ☐ the claims, Nos. ☐ the drawings, sheets/figs
		The sequence listing (specify):
		any table(s) related to sequence listing (specify):
4	hac	This report has been established as if (some of) the amendments annexed to this report and listed below do not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the oplemental Box (Rule 70.2(c)).
		☐ the description, pages ☐ the claims, Nos. 16,29 ☐ the drawings, sheets/figs ☐ the sequence listing (specify): ☐ any table(s) related to sequence listing (specify):
	*	If item 4 applies, some or all of these sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/014536

		No. III Non-establishment o licability	f opi	nion with regard to novelty, inventive step and industrial
1.	The obv	questions whether the claimed ious), or to be industrially applica	nven able h	ntion appears to be novel, to involve an inventive step (to be non- nave not been examined in respect of:
		the entire international application	on,	
	\boxtimes	claims Nos. 4,5,16,29-33		
		because:		
	×	the said international application does not require an international	n, or al pre	the said claims Nos. 16,29 relate to the following subject matter which liminary examination (specify):
		see separate sheet		
		the description, claims or drawithat no meaningful opinion coul	ngs (d be	indicate particular elements below) or said claims Nos. are so unclear formed (specify):
		the claims, or said claims Nos. could be formed.	are s	so inadequately supported by the description that no meaningful opinion
	⊠	no international search report h	as b	een established for the said claims Nos. 4,5,30-33
		the nucleotide and/or amino aci C of the Administrative Instruct	d sec	quence listing does not comply with the standard provided for in Annex in that:
		the written form		has not been furnished
				does not comply with the standard
		the computer readable form		has not been furnished
				does not comply with the standard
		the tables related to the nucleo not comply with the technical re	tide a equir	and/or amino acid sequence listing, if in computer readable form only, do ements provided for in Annex C- <i>bis</i> of the Administrative Instructions.
		See separate sheet for further	detai	ils ·

International application No. PCT/EP2004/014536

	x No. IV	Lack of unity of ir	vention		
. 🛛	In respo	onse to the invitation		or pay add	itional fees, the applicant has:
		icted the claims.			
		additional fees.			
	☐ paid	additional fees unde	er protest.	al face	
		ner restricted nor pai			
. 🗆	Rule 68	3.1, not to invite the a	applicant t	o restrict of	ho of invention is not complied with and chose, according to $ ho$ pay additional fees.
3. Th	nis Author	ity considers that the	requirem	ent of unity	of invention in accordance with Rules 13.1, 13.2 and 13.5
	complie	ed with.			
	not cor	nplied with for the fo	lowing rea	asons:	, , , , , , , , , , , , , , , , , , ,
I. C	onsequen	tly, this report has be	een establ	lished in re	spect of the following parts of the international application:
×	all part	s.			
	l the par	rts relating to claims	Nos		
D	ox No. V	Reasoned stater	nent und	er Article 3	35(2) with regard to novelty, inventive step or industric ing such statement
a	ox No. V pplicabili tatement	Reasoned stater ity; citations and ex	nent underplanation	er Article 3 ns support	35(2) with regard to novelty, inventive step or industria ing such statement
a 1. S	pplicabili	ity; citations and ex	nent underplanation Yes:	is suppoπ	35(2) with regard to novelty, inventive step or industriating such statement 1-3, 6-15 and 17-28
a 1. S	pplicabili	ity; citations and ex	planation	is suppoπ	ing such statement
1. S	pplicabili statement lovelty (N	ity; citations and ex	Yes: No:	Claims Claims	1-3, 6-15 and 17-28
1. S	pplicabili	ity; citations and ex	Yes: No: Yes:	Claims Claims Claims	
a _l 1. S N	pplicabilitatement lovelty (N	ity; citations and ex	Yes: No: Yes: No:	Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
a _l 1. S N	pplicabilitatement lovelty (N	ity; citations and ex	Yes: No: Yes: No: Yes:	Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28
a _l 1. S N	pplicabilitatement lovelty (N	ity; citations and ex	Yes: No: Yes: No:	Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
a _l 1. S N Ir	pplicabilistatement lovelty (Ninventive s	ity; citations and ex	Yes: No: Yes: No: Yes: No:	Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
a ₁ 1. S N Ir	pplicabilistatement lovelty (Ninventive sendustrial a	ity; citations and exite (IS) applicability (IA)	Yes: No: Yes: No: Yes: No:	Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
a ₁ 1. S N Ir	pplicabilistatement lovelty (Ninventive sendustrial a	ity; citations and exite (IS) applicability (IA) and explanations (Ru	Yes: No: Yes: No: Yes: No:	Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
a ₁ 1. S N Ir	pplicabilistatement lovelty (Ninventive sendustrial a	ity; citations and exite (IS) applicability (IA) and explanations (Ru	Yes: No: Yes: No: Yes: No:	Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
a ₁ 1. S N Ir	pplicabilistatement lovelty (Ninventive sendustrial a	ity; citations and exite (IS) applicability (IA) and explanations (Ru	Yes: No: Yes: No: Yes: No:	Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28
and 1. S N In	pplicabilistatement lovelty (Ninventive sendustrial a	ity; citations and exitep (IS) applicability (IA) and explanations (Rurate sheet	Yes: No: Yes: No: Yes: No:	Claims Claims Claims Claims Claims Claims Claims Claims	1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28 - 1-3, 6-15 and 17-28 -

see separate sheet

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

INTERNATIONAL PRELIMINARY International application No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

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As a general remark and in the Applicant's interest, the Searching Authority wishes to emphasize that quality substantive examination can only be achieved if and when the application itself reaches a certain standard.

The documents to which this examination report refers are numbered in their order of appearance in the international search report.

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

- 1. The subject-matter of claims 4, 5 and 30 to 33 falls out of the scope of the subject-matter which has been searched. Indeed, the subject-matter of said claims comprises an acrylic binder in which component B1B is not present. For that reason, said subject-matter will not be examined (Rules 66.1(e) and 70.2(d) PCT).
- 2. The subject-matter of claims 16 and 29 does not comply with the requirements of Article 34(2)(b) PCT for the following reasons:
- 2.1 The subject-matter of claim 16 is not based on the description page 28, lines 17 to 34. Indeed, according to said passage of the description:
 - the lower range value corresponding to the weight of the textile or plastics material is 0.01% not 0.001%;
 - the preferred range corresponding to the weight of the insecticide and/or repellent is 0.1 to 6% only in the special case where a pyrethroid is used.
- 2.2 The subject-matter of claim 29 is not based on the description page 35, lines 8-9 because claim 29 refers to the temperature at which to step iv) of the process according to claim 17 which comprises drying and curing of the textile or plastics material has to be carried out, whereas said passage of the description only refers to curing. In addition, it is stated in said paragraph that the drying step is performed at a different temperature.

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The subject-matter of inventions II and III as defined in the Written Opinion of the International Search Authority has been removed from the present set of claims by the Applicant.

1. Novelty (Article 33(2) PCT)

Documents **D1-D4** (see cited parts in the international search report) concern compositions for impregnation of fabric materials and/or nettings comprising an insecticide and/or a repellent and a polyacryl (**D1**), a copolymer of butyl-acrylate (**D2**) or an acrylic copolymer (**D3&D4**). The structure of the acryl derivative in those documents is either different from the present acrylic binder or not clearly specified. The present subject-matter claimed, as far as claims 1-3, 6-15 and 17-28 are concerned, is therefore new over said prior art documents.

2. Inventive step (Article 33(3) PCT)

None of the cited documents, in particular **D1-D4**, suggest that the present specific acrylic binders can increase the insecticidal and repellent properties of the composition in terms of wash resistance and killing efficiency even when low amounts of insecticides are used.

The present invention as claimed, as far as claims 1-3, 6-15 and 17-28 are concerned, seems therefore to involve an inventive step.

3. Industrial applicability (Article 33(4) PCT)

Industrial applicability of the subject-matter as claimed, as far as claims 1-3, 6-15 and 17-28 are concerned, is acknowledged.

Re Item VII

Certain defects in the application (form or content)

- 1. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in **D4** is not mentioned in the description, nor is this document identified therein.
- 2. Biological names should be written in italics.
- 3. In some parts of the specification, words and expressions are written in german.

Re Item VIII

Certain observations on the international application (clarity)

- In claim 6, the nature of the insecticide and the repellent is specified. However, further pesticides (molluscicides, rodenticides and fungicides) are given therein. Such a discrepancy leads to a lack of clarity and casts a doubt on the matter for which protection is sought (Article 6 PCT).
 The same applies to claims 13, 17 and 19.
- 2. The use of the term "about" in claim 9 and in the description renders the subject-matter unclear within the meaning of Article 6 PCT (see also PCT Guidelines 5.38).
- 3. In claims 8, 20 and 23, the term "biozides" is not properly written.
- 4. The subject-matter of claim 13 should have referred to claim 12 not to claim 10.
- 5. In claim 6 (new page 60, line 8), the expressions that follow the word "like" are regarded as optional and are therefor not restrictive.
- 6. Claim 30 refers to claim 5. Its subject-matter defines the nature of the textile material or plastics although claim 5 does not mention said technical feature.
- 7. On new page 55, line 1, "b1b)" should replace "b2b)".

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Amended Claims

- An insecticide or repellent composition for application to a textile material or plastics material which composition comprises a mixture including
 - at least one insecticide and/or at least one repellent as component A, and
 b1) at least one acrylic binder as component B1 obtainable by emulsion
 - b1) at least one acrylic binder as component B1 obtainable by emulsion polymerisation of the following components:
 - b1a) n-butyl acrylate as component B1A,
- b1b) at least one monomer of formula I as component B1B

$$R^{2}_{Z_{Z_{1}}} \longrightarrow OR^{3} \qquad (I)$$

wherein

 R^1 , R^2 and R^3 are independently selected from C_{1^-} to C_{10^-} alkyl which may be linear or branched; substituted or unsubstituted aryl;

 R^1 and R^2 may further be H; except of R^3 = n-butyl, when R^1 and R^2 are H;

b1c) at least one monomer of formula II as component B1C

wherein

 R^4 , R^5 , R^6 and R^7 are independently selected from the group consisting of H, C_{1^-} to C_{10^-} alkyl which may be linear or branched; substituted or unsubstituted aryl;

b1d) optionally at least one momomer of formula III as component B1D

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(III)

wherein

 R^8 and R^9 are independently selected from the group consisting of H, C_{1^-} to C_{10^-} alkyl which may be linear or branched; substituted or unsubstituted aryl;

X is selected from the group consisting of H, OH, NH₂, OR¹¹OH, glycidyl, hydroxypropyl,

groups of the formula

wherein

 R^{10} is selected from the group consisting of C_{1^-} to C_{10^-} alkyl which may be branched or linear; substituted or unsubstituted aryl;

 R^{11} is selected from the group consisting of C_{1^-} to C_{10^-} alkylene; substituted or unsubstituted arylenes;

b1e) optionally further monomers which are copolymerizable with the monomers mentioned above selected from

b1e1) polar monomers as component B1E1;

and/or

b1e2) non polar monomers as component B1E2.

 The insecticide or repellent composition as claimed in claim 1, wherein the acrylic binder is obtainable by emulsion polymerization of the following components:

b1a) 10 to 90% by weight, preferably 15 to 80% by weight, more preferably 20 to 70% by weight of component B1A;

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- b1b) 10 to 90% by weight, preferably 12 to 85% by weight, more preferably 15 to 65% by weight of component B1B;
- b1c) 1 to 5 % by weight of component B1C;
- b1d) 0 to 5 % by weight, preferably 1 to 4 % by weight, more preferably 0.2 to 3% by weight of component B1D;
- b1e) further monomers which are copolymerizable with the monomers menti oned above selected from
 - b1e1) 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight of component B1E1; and/or
- b1e2) 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight of component B1E2;

wherein the sum of the components B1A, B1B, B1C and optionally B1D and B1E is 100 % by weight.

- 3. The insecticide or repellent composition as claimed in claim 1, wherein the acrylic binder is obtainable by emulsion polymerization of the following components:
 - b1a) 30 to 85% by weight of component B1A;
- 20 b1b) 10 to 90% by weight, preferably 12 to 85% by weight, more preferably 15 to 65% by weight of component B1B;
 - b1c) 1 to 5 % by weight of component B1C;
 - b1d) 0 to 5 % by weight, preferably 1 to 4 % by weight, more preferably 0.2 to 3% by weight of component B1D;
 - b1e) further monomers which are copolymerizable with the monomers menti oned above selected from
 - b1e1) 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight of component B1E1; and/or
 - b1e2) 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight of component B1E2;

wherein the sum of the components B1A, B1B, B1C and optionally B1D and B1E is 100 % by weight.

- 35 4. An insecticide or repellent composition for application to a textile material or plastics material which composition comprises a mixture including
 - a) at least one insecticide and/or repellent as component A, and
 - at least one acrylic binder as component B1 obtainable by emulsion polymerization of the following components:
- 40 b1a) 30 to 85 % by weight of n-butylacrylate as component B1A;

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b2b) 0 to 65 % by weight of at least one monomer of formula I as component B1B

wherein

 R^1 is H or methyl, R^2 is H and R^3 is methyl, ethyl, or 2-ethylhexyl, as component B1B, most preferably component B1B is 2-ethylhexylacrylate, methylacrylate, methylacrylate or ethylacrylate;

b1c) 1 to 5 % by weight of at least one monomer of formula II

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wherein R^4 is H or methyl, R^5 , R^6 and R^7 each are H as component B1C; b1d) 1 to 10 % by weight, preferably 1 to 7 % by weight, more preferably 2 to 5 % by weight of at least one monomer of formula III

$$R^{9}_{Z_{\overline{A}}}$$
 X

(III)

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wherein R⁸ and R⁹ are H and X is H, OH, NH₂, OR¹¹OH, glycidyl or a group of the formula

wherein

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R¹⁰ is selected from the group consisting of C₁- to C₁₀-alkyl which may be branched or linear, for example methyl, ethyl, n-propyl, i-propyl, n-butyl, i-butyl, sec-butyl, tert-butyl, n-pentyl, i-pentyl, sec-pentyl, neo-pentyl, 1,2-dimethylpropyl,

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i-amyl, n-hexyl, i-hexyl, sec-hexyl, n-heptyl, n-octyl, 2-ethylhexyl, n-nonyl, n-decyl; preferably C1- to C4-alkyl, which may be branched or linear, for example methyl, ethyl, n-propyl, iso-propyl, n-butyl, iso-butyl, sec-butyl and tert-butyl; substituted or unsubstituted aryl, preferably substituted or unsubstituted C_{6} - to C_{10} -aryl, more preferably substituted or unsubstituted C6-aryl, for example phenyl or tolyl;

R11 is selected from the group consisting of C1- to C10-alkylene, for example methylene, ethylene, propylene, butylene, pentylene, hexylene, heptylene, octylene, nonylene, decylene; preferably C1- to C4-alkylene, for example methylene, ethylene, propylene, butylenes; substituted or unsubstituted arylenes, preferably substituted or unsubstituted C6- to C10-arylene, more preferably substituted or unsubstituted C6-arylene, for example phenylene;

as component B1D, most preferably X is acetoacetyl;

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- further monomers which are copolymerizable with the monomers b1e) mentioned above selected from
- 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably b1e1) 5 to 20 % by weight of component B1E1, preferably (meth)acrylic nitrile and/or methyl(meth)acrylate;

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and/or

- 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably b1e2) 5 to 20 % by weight of component B1E2, preferably styrene and/or amethylstyrene;
- wherein the sum of components B1A, B1B, B1C and optionally B1D and B1E is 100 % 25 by weight.
 - An insecticide or repellent composition as claimed in claim 4, wherein component 5. B1 is obtainable by emulsion polymerization of the following components:

30 b1a)

- 81.0 % by weight of n-butylacrylate as component B1A;
- b1c)
- 2.0 % by weight of N-methylol methyacrylamide as component B1C;
- b1d)
- 1.0 % by weight of acrylic acid as component B1D;
- 16 % by weight of acrylic nitril as component B1E1. b1e1)
- The insecticide or repellent composition as claimed in any of claims 1 to 5, 35 6. wherein the insecticide is selected from pyrethroid compounds, preferably Etofenprox: 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether,

4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-(trifluoromethyl)-Chlorfenapyr.

pyrrole-3-carbonitrile, 40

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November 4, 2005

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Fenvalerate: (RS)-alpha-cyano-3-phenoxybenzyl (RS)-2-(4-chlorophenyl)-3 methylbutyrate,

Esfenvalerate: (S)-alpha-cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methylbuty-rate,

5 <u>Fenpropathrin</u>: (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropane-carboxylate,

<u>Cypermethrin</u>: (RS)-alpha-cyano-3-phenoxybenzyl (1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

alpha-Cypermethrin: racemate comprising the (S)- α -(1R) and (R)- α -(1S) diastereomers,

<u>Permethrin</u>: 3-phenoxybenzyl (1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

<u>Cyhalothrin</u>: _(RS)-alpha-cyano-3-phenoxybenzyl (Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopro panecarboxylate, lambda-cyhalothrin,

15 <u>Deltamethrin</u>: (S)-alpha-cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate,

<u>Cycloprothrin</u>: (RS)-alpha-cyano-3-phenoxybenzyl (RS)-2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate,

<u>Fluvalinate</u>: alpha-cyano-3-phenoxybenzyl N-(2-chloro-alpha, alpha, alpha, alpha-trifluoro-p-tolyl)-D-valinate,

<u>Bifenthrin</u>: (2-methylbiphenyl-3-ylmethyl)0(Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate,

2-methyl-2-(4-bromodifluoromethoxyphenyl)propyl (3-phenoxybenzyl)ether,

<u>Tralomethrin</u>: (S)-alpha-cyano-3-phenoxybenzyl (1R-cis)3((1'RS)(1', 2', 2', 2'-tetrabromoethyl))-2,2-dimethylcyclopropanecarboxylate,

Silafluofen: 4-ethoxyphenyl(3-(4-fluoro-3-phenoxyphenyl)propyl}dimethylsilane, D-fenothrin: 3-phenoxybenzyl (1R)-cis, trans)-chrysanthemate,

<u>Cyphenothrin</u>: (RS)-alpha-cyano-3-phenoxybenzyl (1R-cis, trans)-chrysanthemate, D-resmethrin: 5-benzyl-3-furylmethyl (1R-cis, trans)-chrysanthemate,

<u>Acrinathrin</u>: (S)-alpha-cyano-3-phenoxybenzyl (1R-cis(Z))-(2,2-dimethyl-3-(oxo-3-(1,1,1,3,3,3-hexafluoropropyloxy)propenyl(cyclopropanecarboxylate,

<u>Cyfluthrin</u>: (RS)-alpha-cyano-4-fluoro-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate,

35 <u>Tefluthrin</u>: 2,3,5,6-tetrafluoro-4-methylbenzyl (1RS-cis (Z))-3-(2-chloro-3,3,3-trifluoro-prop-1-enyl)-2,2-dimethylcyclopropanecarboxylate,

<u>Transfluthrin</u>: 2,3,5,6-tetrafluorobenzyl (1R-trans)-3-(2,2-dichlorovinyl)-2,2-dimethyl-cyclopropanecarboxylate,

<u>Tetramethrin</u>: 3,4,5,6-tetrahydrophthalimidomethyl (1RS)-cis, transchrysanthemate,

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<u>Allethrin</u>: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1RS)-cis, transchrysanthemate,

<u>Prallethrin</u>: (S)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1R)-cis, trans-chrysanthemate,

5 <u>Empenthrin</u>: (RS)-1-ethynyl-2-methyl-2-pentenyl (1R)-cis,trans-chrysanthemate, <u>Imiprothrin</u>: 2,5-dioxo-3-(prop-2-ynyl)imidazolidin-1-ylmethyl (1R)-cis, trans-2,2-dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylate,

<u>D-flamethrin</u>: 5-(2-propynyl)-furfuryl (1R)-cis, trans-chrysanthemate, and 5-(2-propynyl)furfuryl 2,2,3,3-tetramethylcyclopropanecarboxylate;

10 <u>Pyriproxyfen</u>: 4-phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether; pyrethrum;

<u>d-d, trans-cyphenothrin</u>: (RS)-α-cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; DDT;

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Carbamate compounds, preferably

<u>Alanycarb</u>: S-methyl-N[[N-methyl-N-[N-benzyl-N(2-ethoxy-carbonylethyl)aminothio]carbamoyl]thioacetimidate,

Bendiocarb: 2,2-dimethyl-1,3-benzodioxol-4-yl-methylcarbamate),

20 Carbaryl(1-naphthyl N-methylcarbamate,

Isoprocarb: 2-(1-methylethyl)phenyl methylcarbamate,

<u>Carbosulfan</u>: 2,3 dihydro-2,2-dimethyl-7-benzofuranyl[(dibutylamino)thio]methyl-carbamate,

Fenoxycarb: Ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate,

25 <u>Indoxacarb</u>: Methyl-7-chloro-22,3,4°,5-tetrahydro-2-[methoxycarbonyl (-4-trifluoromethoxyphenyl)]

Propoxur. 2-isopropyloxyphenol methylcarbamate,

Pirimicarb: 2-dimethylamino-5,6-dimethyl-4-pyrimidinyl-dimethylcarbamate,

Thiodiocarb: Dimethyl

30 N,N'(thiobis((methylimino)carbonoyloxy)bisethanimidiothioate);

Methomyl: S-methyl N-((methylcarbamoyl)oxy)thioacetamidate,

Ethiofencarb: 2-((ethylthio)methyl)phenyl methylcarbamate,

Fenothiocarb: S-(4-phenoxybutyl)-N,N-dimethyl thiocarbamate,

Cartap: S,S'-(2-5 dimethylamino)trimethylene)bis (thiocarbamate)hydrochloride,

35 <u>Fenobucarb</u>: 2-sec-butylphenylmethyl carbamate,

XMC: 3,5-dimethylphenyl-methyl carbamate,

Xylylcarb: 3,4-dimethylphenylmethylcarbamate;

organophosphorous compounds, preferably

40 Trichlorfon: Phosphoric acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester

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<u>Fenitrothion</u>: O,O-dimethyl O-(4-nitro-m-tolyl)phosphorothioate, <u>Diazinon</u>: O,O-diethyl-O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate, <u>Pyridaphenthion</u>: O-(1,6-dihydro-6-oxo-1-phenylpyrazidin-3-yl) O,O-diethyl phosphorothioate,

- 5 <u>Pirimiphos-Etvi</u>: O,O-diethyl O-(2-(diethylamino)6-methyl-pyrimidinyl)phosphorothioate, Pirimiphos-Methyl: O-[2-(diethylamino)-6-methyl-pyrimidinyl] O,O-dimethyl phosphorothioate,
 - <u>Etrimphos</u>: O-6-ethoxy-2-ethyl-pyrimidin-4-yl-O,O-dimethyl-phosphorothioate, <u>Fenthion</u>: O,O-dimethyl-O-[-3-methyl-4-(methylthio)phenyl phosphorothioate,
- 10 <u>Phoxim</u>: 2-(diethoxyphosphinothoyloxyimino)-2-phenylacetonitrile, <u>Chlorpyrifos</u>: O,O-diethyl-O-(3,5,6-trichloro-2-pyrinyl)phosphorothioate, <u>Chlorpyriphosmethyl</u>: O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate,
 - Cyanophos: O,O-dimethyl O-(4 cyanophenyl)phosphorothioate,
- Pyraclofos: (R,S)[4-chlorophenyl)-pyrazol-4-yl]-O-ethyl-S-n-propyl phos-phorothioate,

 Acephate: O, S-dimethyl acetylphosphoroamidothioate,
 - <u>Azamethiphos</u>: S-(6-chloro-2,3-dihydro-oxo-1,3-oxazolo[4,5-b]pyridine-3-ylmethyl phosphorothioate,
- 20 <u>Malathion</u>: O,O-dimethyl phosphorodithioate ester of diethyl mercaptosuccinate, <u>Temephos</u>: (O,O'(thiodi-4-1-phenylene) O,O,O,O-tetramethyl phosphorodithioate, <u>Dimethoate</u>: ((O,O-dimethyl S-(n-methylcarbamoylethyl)phosphorodithioate, <u>Formothion</u>: S[2-formylmethylamino]-2-oxoethyl]-O,O-dimethyl phosphorodithioate,
- 25 <u>Phenthoate</u>: O,O-dimethyl S-(alpha-ethoxycarbonylbenzal)-phosphorodithioate; <u>lodofenphos</u>: O-(2,5-dichloro-4-iodophenyl)-O,O-dimethyl-phosphorthioate;

Insecticides with a sterilising effect on adult mosquitoes, preferably 1-(alfa-(chloro-alpha-cyclopropylbenzylidenamino-oxy)-p-tolyl)-3-(2,6-difluorobenzoyl)urea

30 difluorobenzoyl)urea,

Diflubenzuron:

N-(((3,5-dichloro-4-(1,1,2,2-

tetraflouroethoxy)phenylamino)carbonyl)2,6 difluoro benzamid,

<u>Triflumuron</u>: 2-Chloro-N-(((4-(trifluoromethoxy)phenyl)-amino-)carbonyl)benzamide, or a triazin, preferably N-cyclopropyl-1,3,5-triazine-2,4,6-triamin; and

Lambda-cyhalothrine:

 α -cyano-3-phenoxybenzyl-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropane carboxylate, as a 1:1 mixture of (Z)-(1R,3R), R-ester and (Z)-(1S,3S), S-ester;

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> the repellent is selected from N,N-Diethyl-meta-toluamide (DEET), N,N-1-(3-cyclohexan-1-yi-carbonyi)-2-methyl-(DEPA), diethylphenylacetamide piperine, (2-hydroxymethylcyclohexyl) acetic acid lactone, 2-ethyl-1,3-hexandiol, indalone, Methylneodecanamide (MNDA), a pyrethroid not used for insect con-{(+/-)-3-allyl-2-methyl-4-oxocyclopent-2-(+)-enyl-(+)-transtrol. preferably chrysantemate (Esbiothrin), a repellent derived from or identical with plant extracts, preferably limonene, eugenol, (+)-Eucamalol (1), (-)-1-epi-eucamalol or crude plant extracts from plants like Eucalyptus maculata, Vitex rotundifolia, Cymbopogan martinii, Cymbopogan citratus (lemon grass), Cymopogan nartdus butylacetylaminopropionate), (ethyl. IR3535 piperidinecarboxylic acid 2-(2-hydroxyethyl)-1-methylpropylester).

niclosamide as suitable mulloscicide;

suitable rodenticides of first generation anticoagulant rodenticides and second generation anticoagulant rodenticides selected from the group consisting of warfarin, chlorphacinone, coumatetralyl as first generation anticoagulant rodenticides, and flocoumafen, brodifacoum, difenacoum, bromadialone, difethialone, and bromethalin as second generation anticoagulant rodenticides;

antifungal agents as fungicides used in the case of athlete's foot selected from the group consisting of clotrimazole: 1-(2-chlorotrityl)imidazole, miconazole: 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1H-imidazole, econazole 4-[2-[(4-chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-4H-imidazole, tioconazole: 1-[2-[(2-chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-1H-imidazole, undecylenic acid, terbinafine hydrochloride: N,6,6-trimethyl-N-(naphthalen-4-ylmethyl)hept-2-en-4-yn-1-amine hydrochloride (lamisil topical), and tolnaftate: N-methyl-N-(m-tolyl)-1-naphthalen-3-yloxy-thioformamide;

further fungicides, preferably

Azoles, preferably selected from Bitertanol, Bromoconazol, Cyproconazol, Difenoconazole, Dinitroconazol, Epoxiconazol, Fenbuconazol, Fluquiconazol, Flusilazol, Flutriafol, Hexaconazol, Imazalil, Ipconazol, Metconazol, Myclobutanil, Penconazol, Propiconazol, Prochloraz, Prothioconazol, Simeconazol, Tebuconazol Tetraconazol, Triadimenol, Triflumizol, and Triticonazol;

Strobilurines, preferably selected from Azoxystrobin, Dimoxystrobin, Fluox-astrobin, Kresoxim-methyl, Metominostrobin Orysastrobin, Picoxystrobin, Pyraclostrobin, and Trifloxystrobin;

40 Acylalanines, preferably selected from Benalaxyl, Metalaxyl, Mefenoxam, Ofurace, and Oxadixyl;

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Aminderivatives, preferably selected from Aldimorph, Dodine, Dodemorph, Fenpropimorph, Fenpropidin, Guazatine, Iminoctadine, Spiroxamin, and Tridemorph;

Anilinopyrimidines, preferably selected from Pyrimethanil, Mepanipyrim, and Cyprodinil;

Dicarboximides, preferably selected from Iprodion, Myclozolin, Procymidon, and Vinclozolin;

Cinnamic acid amide and analoges, preferably selected from Dimethomorph, Flumetover, and Flumorph;

Antibiotics, preferably selected from Cycloheximid, Griseofulvin, Kasugamycin, Natamycin, Polyoxin, and Streptomycin;

Dithiocarbamates, preferably selected from Ferbam, Nabam, Maneb, Mancozeb, Metam, Metiram, Propineb, Polycarbamat, Thiram, Ziram and Zineb;

Heterocyclic compounds, preferably selected from Anilazin, Benomyl, Boscalid, Carbendazim, Carboxin, Oxycarboxin, Cyazofamid, Dazomet, Dithianon, Famoxadon, Fenamidon, Fenarimol, Fuberidazol, Flutolanil, Furametpyr, Isoprothiolan, Mepronil, Nuarimol, Picobenzamid, Probenazol, Proquinazid, Pyrifenox, Pyroquilon, Quinoxyfen, Silthiofam, Thiabendazol, Thifluzamid,

Thiophanat-methyl, Tiadinil, Tricyclazol, and Triforine M inorganics;
Nitrophenylderivatives, preferably selected from Binapacryl, Dinocap,
Dinobuton, Nitrophthal-isopropyl;

Phenylpyrrole Fenpiclonil, and Fludioxonil;

Sulfonic acid derivatives, preferably selected from Captafol, Captan, Dichlofluanid, Folpet, and Tolylfluanid;

from Acibenzolar-S-methyl, preferably selected **Further** fungicides, Chlorothalonil, Cyflufenamid, Cymoxanil, Carpropamid, Benthiavalicarb. Dazomet, Diclomezin, Diclocymet, Diclofluanid, Diethofencarb, Edifenphos, Ethaboxam, Fenhexamid, Fentin-Acetat, Fenoxanil, Ferimzone, Fluazinam, Säure, lprovalicarb, **Phosphorige** Fosetyl-Aluminium, Fosetyl, Propamocarb, Phthalid, Pencycuron, Metrafenon, Hexachlorbenzol. Toloclofos- methyl, Quintozene, and Zoxamid.

- 7. The insecticide or repellent composition as claimed in any of claims 1 to 6, wherein the particle size of the insecticide and/or repellent is from 50 nm to 20 μm, preferably 50 nm to 8 μm, more preferably 50 nm to 4 μm, most preferably 50 nm to 500 nm.
- The insecticide or repellent composition as claimed in any of claims 1 to 7, further comprising one or more component selected from water, preservatives, detergents, stabilizers, agents having UV-protecting properties, optical brighteners,

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spreading agents, anti-migrating agents, foam-forming agents, wetting agents, anti-soiling agents, thickeners, further biozides, plasticizers, adhesive agents, fragrance, pigments and dyestuffs.

- 9. The insecticide or repellent composition as claimed in any of claims 1 to 8, comprising from about 0.001 to 95 % by weight of the insecticide and/or repellent.
- 10. The insecticide or repellent composition as claimed in any of claims 1 to 9, which is provided as a kit for impregnation by the end-user or in a local factory.
- 10 11. The insecticide or repellent composition as claimed in claim 10 wherein the composition in the kit is adapted for preparing a solution or emulsion by adding water.
 - 12. An impregnated textile material or plastics material for insect killing and/or repellence of an insect comprising
 - a) at least one insecticide and/or at least one repellent, and
 - b1) at least one acrylic binder as claimed in any of claims 1 to 5.
 - 13. The impregnated textile material or plastics material as claimed in claim 10 comprising an insecticide and/or repellent as defined in claim 6.
 - 14. The impregnated textile material or plastics material as claimed in claim 12 or 13 further comprising one or more components selected from preservatives, detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, foam-forming agents, wetting agents, anti-soiling agents, thickeners, further biocides, plasticizers, adhesive agents, fragrance, pigments and dyestuffs.
- 15. The impregnated textile material or plastics material as claimed in any of claims
 12 to 14 comprising from 0.001 to 10 % by weight of the weight of the textile material or plastics material of at least one insecticide and/or at least one repellent.
 - 16. The impregnated textile material or plastics material as claimed in claim 15, comprising
 - a) 0.001 to 10 % by weight, preferably 0.05 to 7 % by weight of the weight of the textile material or plastics material of at least one insecticide and/or at least one repellent, more preferably 0.1 to 6 % by weight of the weight of the textile material or plastics material of a pyrethroid as at least one insecticide and/or at least one repellent, and
- b1) 0.001 to 10 % by weight, preferably 0.1 to 5 % by weight, more preferably 0.2 to 3 % by weight of the weight of the textile material or plastics material of at least one acrylic binder as claimed in any of claims 1 to 5.

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17. A process for impregnation of a textile material or plastics material comprising the steps

- i) forming an aqueous formulation or a melt, comprising at least one insecticide and/or at least one repellent as defined in claim 6 and at least one acrylic binder as defined in any of claims 1 to 5 and optionally further ingredients;
- ii) applying the aqueous formulation to the textile material or plastics material by
 - iia) passing the textile material or plastics material through the aqueous formulation;

or

bringing the textile material or plastics material in contact with a roller that is partly or fully dipped into the aqueous formulation and drawing the aqueous formulation to the side of the textile material or plastics material in contact with the roller;

or.

iic) double-side coating of the textile material or plastics material;

or

spraying the aqueous formulation onto the textile material or plastics material; wherein the spraying is carried out with any suitable device for spraying by hand or automatically, for example with an aerosol can or devices usually used in a factory;

or

iie) applying the aqueous formulation in form of a foam;

or

iif) submerging the textile material or plastics material into the aqueous formulation;

or

iig) brushing the aqueous formulation onto or into the textile material or plastics material;

iih) pouring the aqueous formulation onto the textile material or plastics material;

or applying the melt by calandering or with a doctor-blade;

- iii) optionally removing surplus aqueous formulation or surplus melt; and
- iv) drying and/or curing the textile material or plastics material.

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- 18. The process as claimed in claim 17, wherein step iia) is carried out by completely submerging the textile material or plastics material in the aqueous formulation either in a trough containing the aqueous formulation or passing the textile material or plastics material through the aqueous formulation which is held between two horizontally oriented rollers.
- 19. The process as claimed in claim 17 or 18, wherein the insecticide and/or repellent is an insecticide and/or repellent as defined in claim 6.
- The process as claimed in any of claims 17 to 19, wherein the aqueous formulation further comprises one or more ingredients selected from the group consisting of detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, preservatives, foam-forming agents, wetting agents, thickeners, further biozides, plasticizers, adhesive agents, anti-soiling agents, fragrance, pigments and dyestuffs.
 - 21. The process as claimed in any of claims 17 to 20, wherein the dying of the textile material or plastics material is carried out simultaneously with the impregnation of the textile material or plastics material, wherein an aqueous formulation is formed further comprising at least one dyestuff and/or at least one pigment.
 - 22. A process for coating a textile material or plastics material by applying a composition comprising at least one insecticide and/or at least one repellent and at least one acrylic binder as defined in any of claims 1 to 5 to the textile material or plastics material.
 - 23. The process as claimed in claim 22, wherein the composition further comprises one or more ingredients selected from the group consisting of detergents, stabilizers, agents having UV-protecting properties, optical brighteners, spreading agents, anti-migrating agents, preservatives, foam-forming agents, anti-soiling agents, wetting agents, thickeners, further biozides, plasticizers, adhesive agents, fragrance, pigments and dyestuffs.
- 24. The impregnated textile material or plastics material as claimed in any of claims
 12 to 16, wherein the textile material or plastics material is a netting made from polyester, especially polyethylene terephthalate.
 - 25. The insecticide or repellent composition as claimed in any of claims 1 to 11, additionally comprising a fixative agent.

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- The insecticide or repellent composition as claimed in claim 25, wherein the fixa-26. tive agent is an isocyanurate comprising free isocyanate groups, preferably an isocyanurate based on alkylene diisocyanates having from 4 to 12 carbon atoms in the alkylene unit, like 1,12-dodecane diisocyanate, 2-ethyltetramethylene dijsocvanate-1,4, 2-methylpentamethylene dijsocvanate-1,5, tetramethylene diisocyanate-1,4, lysinester diisocyanate (LDI), hexamethylene diisocyanate-1,6 cyclohexane-1,3-and/or-1,4-diisocyanate, 2,4-and 2,6-hexahydro-(HMDI). toluylene diisocyanate as well as the corresponding isomeric mixtures 4,4'-2,2'and 2,4'-dicyclohexylmethane diisocyanate as well as the corresponding mixtures. 1-isocyanato-3,3,5-trimethyl-5-isocyanatomethyl cyclohexane (IPDI), 2,4and/or 2,6-toluylene diisocyanate, 4,4'-, 2,4' and/or 2,2'-diphenylmethane diisocyanate (monomeric MDI), polyphenylpolymethylene polyisocyanate (polymeric MDI) and/or mixtures comprising at least 2 of the isocyanates mentioned before, more preferably the isocyanurates are based on hexamethylene diisocyanate-1,6 (HMDI); wherein the isocyanurate is in a preferred embodiment hydrophilized with a polyalkylene oxide based on ethylene oxide and/or 1,2-propylene oxide, preferably polyethylene oxide.
- 27. The insecticide or repellent composition as claimed in claim 26, wherein the fixative agent is an isocyanurate based on HMDI which is hydrophilized with a polyethylene oxide and which is dissolved in propylene carbonate (70 % by weight of HMDI in 30 % by weight of propylene carbonate), wherein the amount of free isocyanate groups is 11 to 12 % by weight, based on the amount of isocyanate used as staring material for the preparation of the isocyanurate.
 - 28. The insecticide or repellent composition as claimed in any of claims 25 to 27 comprising the following components, based on the solids content of the composition:
 - a) 20 to 70 % by weight, preferably 25 to 65 % by weight, more preferably 30 to 65 % by weight of at least one insecticide and/or at least one repellent (component A), and
 - b1) 29 to 72 % by weight, preferably 34 to 70 % by weight, more preferably 33 to 66 by weight of at least one acrylic binder (component B1) as defined above, comprising;
 - b1a) 10 to 90% by weight, preferably 15 to 80% by weight, more preferably 20 to 70% by weight based on the acrylic binder of n-butyl acrylate (component B1A);

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- b1b) 10 to 90% by weight, preferably 12 to 85% by weight, more preferably 15 to 65% by weight based on the acrylic binder of at least one monomer of formula I (component B1B);
- b1c) 1 to 5 % by weight based on the acrylic binder of at least one monomer of formula II (component B1C);
- b1d) 0 to 5 % by weight, preferably 1 to 4 % by weight, more preferably 0.2 to 3% by weight based on the acrylic binder of at least one monomer of formula III (component B1D);
- b1e) further monomers which are copolymerizable with the monomers mentioned (component B1E) above selected from
 - b1e1) 0 to 30 % by weight, preferably 0 to 25 % by weight, more preferably 5 to 20 % by weight based on the acrylic binder of at least one polar momomer, preferably (meth)acrylic nitrile and/or methyl(meth)acrylate (component B1E1); and/or
 - b1e2) 0 to 40 % by weight, preferably 0 to 30 % by weight, more preferably 5 to 20 % by weight based on the acrylic binder of at least one non polar momomer, preferably styrene and/or amethylstyrene (component B1E1);
- 20 c) 1 to 8 % by weight, preferably 1 to 5 % by weight, more preferably 2 to 4 % by weight of at least one fixative agent (component C); wherein the sum of the components is 100 % by weight of solids content of the insecticide composition.
- 25 29. The process as claimed in any of claims 17 to 23, wherein step iv) is carried out at 60 to 170 °C.
 - 30. The insecticide and/or repellent composition as claimed in claim 5, wherein the textile material or plastics material is a polyester netting material.
 - 31. The insecticide and/or repellent composition as claimed in claim 5 or 30, wherein the component A is alpha-Cypermethrin.
- 32. The insecticide and/or repellent composition as claimed in any of claims 5, 30 or 31, comprising:
 - a) 6.4 g/L to 16 g/L of alpha-Cypermethrin as component A,
 - b1) 10 g/L to 16.7 g/L of an acrylic binder as claimed in claim 5 as component B1.
- 40 c) 0 g/L to 0.83 g/L, preferably 0.5 g/L to 0.83 g/L of a fixative agent which is an isocyanurate based on HMDI which is hydrophilized with a polyethylene

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oxide and which is dissolved in propylene carbonate (70 % by weight of HMDI in 30 % by weight of propylene carbonate), wherein the amount of free isocyanate groups is 11 to 12 % by weight, based on the amount of isocyanate used as staring material for the preparation of the isocyanurate, as component C,

and water.

- 33. An impregnated polyester netting material comprising
- a) 0.32 to 1.6 % by weight of the weight of the polyester netting material of alpha-Cypermethrin as component A,
 - b1) 1 to 1.5 % weight of the weight of the polyester netting material of an acrylic binder as claimed in claim 5 as component B1.